
Linux Cluster Howto Tldp

Build a Highly Available Cluster with Commodity Hardware and Free Software
Linux Assembly HOWTO
Linux 2011
Mastering Linux Shell Scripting,
Embedded Linux System Design and Development
Linux Network Administrator's Guide
Linux System Administration
Building Clustered Linux Systems
Linux in a Nutshell
PySpark Cookbook
A Guide to the IBM Clustered Network File System
The Linux Enterprise Cluster
Writing Fast Programs
12th International Conference, Salvador de Bahia, Brazil, June 18-21, 2012, Proceedings, Part IV
Linux Advanced Routing and Traffic Control HOWTO
A Practical Real-World Approach
Building a Cloud Computing Service
Beowulf Cluster Computing with Linux
Linux-Firewalls mit iptables & Co
Understanding the Linux Virtual Memory Manager
Novell Cluster Services for Linux and NetWare
Linux Shell Scripting Cookbook
A practical guide to Linux command-line, Bash scripting, and Shell programming, 2nd Edition
High Performance Linux Clusters with OSCAR, Rocks, OpenMosix, and MPI
Advanced Bash Scripting Guide
Computational Science and Its Applications -- ICCSA 2012
CentOS 7 Server Deployment Cookbook
Praktische Einführung in das Hochleistungsrechnen auf Linux-Clustern
Professional Red Hat Enterprise Linux 3
Cluster Computing
Linux Kernel in a Nutshell
Computational Science — ICCS 2004
Over 60 recipes for implementing big data processing and analytics using Apache Spark and Python
Running Linux
Linux Bible
A Desktop Quick Reference
Hadoop Operations and Cluster Management Cookbook
Embedded Linux Primer
Introduction to Linux (Second Edition)

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LEXI AUGUST

Build a Highly Available Cluster with Commodity Hardware and Free Software Pearson Education
Deploy and manage today's essential services on an enterprise-class, open operating system
About This Book Configure and manage Linux servers in varying scenarios and for a range of
business requirements Explore the up-to-date features of CentOS using real-world scenarios See
practical and extensive recipes to deploy and manage CentOS Who This Book Is For This book is for
Linux professionals with basic Unix/Linux functionality experience, perhaps even having set up a
server before, who want to advance their knowledge in administering various services. What You
Will Learn See how to deploy CentOS easily and painlessly, even in multi-server environments
Configure various methods of remote access to the server so you don't always have to be in the
data center Make changes to the default configuration of many services to harden them and
increase the security of the system Learn to manage DNS, emails and web servers Protect yourself
from threats by monitoring and logging network intrusion and system intrusion attempts, rootkits,

and viruses Take advantage of today's powerful hardware by running multiple systems using
virtualization In Detail CentOS is derived from Red Hat Enterprise Linux (RHEL) sources and is
widely used as a Linux server. This book will help you to better configure and manage Linux
servers in varying scenarios and business requirements. Starting with installing CentOS, this book
will walk you through the networking aspects of CentOS. You will then learn how to manage users
and their permissions, software installs, disks, filesystems, and so on. You'll then see how to secure
connection to remotely access a desktop and work with databases. Toward the end, you will find
out how to manage DNS, e-mails, web servers, and more. You will also learn to detect threats by
monitoring network intrusion. Finally, the book will cover virtualization techniques that will help
you make the most of CentOS. Style and approach This easy-to-read cookbook is filled with
practical recipes. Hands-on, task-based exercises will present you with real-world solutions to
deploy and manage CentOS in varying business scenarios.
Linux Assembly HOWTO Fultus Corporation
Over the last few years, Linux has grown both as an operating system and a tool for personal and
business use. Simultaneously becoming more user friendly and more powerful as a back-end

system, Linux has achieved new plateaus: the newer filesystems have solidified, new commands
and tools have appeared and become standard, and the desktop--including new desktop
environments--have proved to be viable, stable, and readily accessible to even those who don't
consider themselves computer gurus. Whether you're using Linux for personal software projects,
for a small office or home office (often termed the SOHO environment), to provide services to a
small group of colleagues, or to administer a site responsible for millions of email and web
connections each day, you need quick access to information on a wide range of tools. This book
covers all aspects of administering and making effective use of Linux systems. Among its topics
are booting, package management, and revision control. But foremost in Linux in a Nutshell are
the utilities and commands that make Linux one of the most powerful and flexible systems
available. Now in its fifth edition, Linux in a Nutshell brings users up-to-date with the current state
of Linux. Considered by many to be the most complete and authoritative command reference for
Linux available, the book covers all substantial user, programming, administration, and networking
commands for the most common Linux distributions. Comprehensive but concise, the fifth edition
has been updated to cover new features of major Linux distributions. Configuration information for

the rapidly growing commercial network services and community update services is one of the subjects covered for the first time. But that's just the beginning. The book covers editors, shells, and LILO and GRUB boot options. There's also coverage of Apache, Samba, Postfix, sendmail, CVS, Subversion, Emacs, vi, sed, gawk, and much more. Everything that system administrators, developers, and power users need to know about Linux is referenced here, and they will turn to this book again and again.

Linux 2011 John Wiley & Sons

Summary This classic howto was written in 2002, but it is still a must-read howto for any Linux networking professionals today. Many practical examples are included in the book. It is a very hands-on approach to iproute2, traffic shaping, policy routing and a bit of netfilter. This is a book you should have on your bookshelf. Table of Contents Dedication Introduction Introduction to iproute2 Rules-routing policy database GRE and other tunnels IPv6 tunneling with Cisco and/or 6bone IPsec: secure IP over the internet Multicast routing Queueing Disciplines for Bandwidth Management Load sharing over multiple interfaces Netfilter & iproute - marking packets Advanced filters for (re-)classifying packets Kernel network parameters Advanced & less common queueing disciplines Cookbook Building bridges, and pseudo-bridges with Proxy ARP Dynamic routing - OSPF and BGP Other possibilities Further reading Acknowledgements

Mastering Linux Shell Scripting, Packt Publishing Ltd

You may be contemplating your first Linux installation. Or you may have been using Linux for years and need to know more about adding a network printer or setting up an FTP server. Running Linux, now in its fifth edition, is the book you'll want on hand in either case. Widely recognized in the Linux community as the ultimate getting-started and problem-solving book, it answers the questions and tackles the configuration issues that frequently plague users, but are seldom addressed in other books. This fifth edition of Running Linux is greatly expanded, reflecting the maturity of the operating system and the teeming wealth of software available for it. Hot consumer topics such as audio and video playback applications, groupware functionality, and spam filtering are covered, along with the basics in configuration and management that always have made the book popular. Running Linux covers basic communications such as mail, web surfing, and instant messaging, but also delves into the subtleties of network configuration--including dial-up, ADSL, and cable modems--in case you need to set up your network manually. The book can make you proficient on office suites and personal productivity applications--and also tells you what programming tools are available if you're interested in contributing to these applications. Other new topics in the fifth edition include encrypted email and filesystems, advanced shell techniques, and remote login applications. Classic discussions on booting, package management, kernel recompilation, and X configuration have also been updated. The authors of Running Linux have anticipated problem areas, selected stable and popular solutions, and provided clear instructions to ensure that you'll have a satisfying experience using Linux. The discussion is direct and complete enough to guide novice users, while still providing the additional information experienced users will need to progress in their mastery of Linux. Whether you're using Linux on a home workstation or maintaining a network server, Running Linux will provide expert advice just when you need it.

Embedded Linux System Design and Development Springer

Solve specific problems using individual self-contained code recipes, or work through the book to develop your capabilities. This book is packed with easy-to-follow code and commands used for illustration, which makes your learning curve easy and quick. If you are a Hadoop cluster system administrator with Unix/Linux system management experience and you are looking to get a good grounding in how to set up and manage a Hadoop cluster, then this book is for you. It's assumed that you will have some experience in Unix/Linux command line already, as well as being familiar with network communication basics.

Linux Network Administrator's Guide Springer-Verlag

Building a Cloud Computing Service An Introduction to the Cloud Binh Nguyen

Linux System Administration Packt Pub Limited

More than 50 percent new and revised content for today's Linux environment gets you up and running in no time! Linux continues to be an excellent, low-cost alternative to expensive operating systems. Whether you're new to Linux or need a reliable update and reference, this is an excellent resource. Veteran bestselling author Christopher Negus provides a complete tutorial packed with major updates, revisions, and hands-on exercises so that you can confidently start using Linux today. Offers a complete restructure, complete with exercises, to make the book a better learning

tool Places a strong focus on the Linux command line tools and can be used with all distributions and versions of Linux Features in-depth coverage of the tools that a power user and a Linux administrator need to get started This practical learning tool is ideal for anyone eager to set up a new Linux desktop system at home or curious to learn how to manage Linux server systems at work.

Building Clustered Linux Systems Cambridge Int Science Publishing

This book is written in a Cookbook style and it offers learning through recipes with examples and illustrations. Each recipe contains step-by-step instructions about everything necessary to execute a particular task. The book is designed so that you can read it from start to end for beginners, or just open up any chapter and start following the recipes as a reference for advanced users. If you are a beginner or an intermediate user who wants to master the skill of quickly writing scripts to perform various tasks without reading the entire manual, this book is for you. You can start writing scripts and one-liners by simply looking at the similar recipe and its descriptions without any working knowledge of shell scripting or Linux. Intermediate/advanced users as well as system administrators/ developers and programmers can use this book as a reference when they face problems while coding.

Linux in a Nutshell Packt Publishing Ltd

The Linux Enterprise Cluster explains how to take a number of inexpensive computers with limited resources, place them on a normal computer network, and install free software so that the computers act together like one powerful server. This makes it possible to build a very inexpensive and reliable business system for a small business or a large corporation. The book includes information on how to build a high-availability server pair using the Heartbeat package, how to use the Linux Virtual Server load balancing software, how to configure a reliable printing system in a Linux cluster environment, and how to build a job scheduling system in Linux with no single point of failure. The book also includes information on high availability techniques that can be used with or without a cluster, making it helpful for System Administrators even if they are not building a cluster. Anyone interested in deploying Linux in an environment where low cost computer reliability is important will find this book useful. The CD-ROM includes the Linux kernel, ldirectord software, the Mon monitoring package, the Ganglia package, OpenSSH, rsync, SystemImager, Heartbeat, and all the figures and illustrations used in the book.

PySpark Cookbook Prentice Hall

Whether you're just starting out with Linux or looking to hone your existing skills, this book will provide you with the knowledge you need. For new users, it is an exploration tour and getting started guide, with exercises at the end of each chapter. Advanced trainees can consider it a desktop reference, a collection of the base knowledge needed to tackle system and network administration. To help you work more effectively with Linux, this book contains hundreds of real life examples derived from the author's experience as a Linux system and network administrator, trainer and consultant. These examples will help you to get a better understanding of the Linux system and feel encouraged to try out things on your own.

A Guide to the IBM Clustered Network File System Building a Cloud Computing Service An Introduction to the Cloud

Need to configure or manage Novell Cluster Services on NetWare, Linux or a mixed environment? Pick up a copy of the official reference guide, Novell Cluster Services for Linux and NetWare. This book blends in-depth information with practical, real world examples to cover cluster services configuration strategies, backup requirements, cluster services management, and upgrading tactics. You'll gain invaluable insight from authors Rob Bastiaansen and Sander van Vugt, two Novell Certified Instructors with day-to-day experience consulting on the topics covered in this book. Master installing and managing Novell Cluster Services with the tutorial not available from anyone else, Novell Cluster Services for Linux and NetWare.

The Linux Enterprise Cluster Fultus Corporation

As the world moves towards a more globally and electronically connected future, access to the Internet is becoming more commonplace for business, educational, as well as entertainment purposes. Virtually everyone now has a small, mobile device of some sort which will allow them access to the Internet. The concept of "Cloud Computing" was born as a direct consequence of such connectivity and this has resulted in services advancing towards the Internet "Cloud". This allows smaller devices to possess far greater functionality than ever before whether it is via websites and/or other secondary protocols. This document provides advice on how to build a cloud service whether that may be for commercial, educational, and/or more altruistic purposes. It is

based on past experience, general knowledge, as well as personal research. It is not intended to be read by people who are new to computing. While it was originally intended only to cover technical aspects of building a cloud service-based company it has since expanded into a document that covers the actual business aspects of building a cloud service-based company as well. It uses Open Source technologies, but takes concepts from all fields. An appendix detailing the "how to commence the beginnings of a cloud service" has also been provided. You will need at least two computers, enough network equipment to hook them up, an Internet connection as well as possibly a Linux distribution to install on your computer. Feedback/credit on any ideas that are subsequently put into action based on the content of this document would be appreciated. Any feedback on the content of this document is welcome. Every attempt has been made to ensure that the instructions and information herein are accurate and reliable. Please send corrections, comments, suggestions and questions to the author. All trademarks and copyrights are the property of their owners, unless otherwise indicated. Use of a term in this document should not be regarded as affecting the validity of any trademark or service mark. The author would appreciate and consider it courteous if notification of any and all modifications, translations, and printed versions are sent to him. Please note that this is an organic document that will change as we learn more about this new computing paradigm. The latest copy of this document can be found either on the author's website, blog, and/or <http://www.tldp.org> "O'Reilly Media, Inc."

Until now, building and managing Linux clusters has required more intimate and specialized knowledge than most IT organizations possess. This book dramatically lowers the learning curve, bringing together all the hands-on knowledge and step-by-step techniques needed to get the job done.

Writing Fast Programs Springer

A guide geared toward seasoned Linux and Unix administrators offers practical knowledge for managing a range of Linux systems and servers, covering such topics as installing servers, setting up e-mail systems, and creating shell scripts.

12th International Conference, Salvador de Bahia, Brazil, June 18-21, 2012, Proceedings, Part IV Binh Nguyen

Linux® is being adopted by an increasing number of embedded systems developers, who have been won over by its sophisticated scheduling and networking, its cost-free license, its open development model, and the support offered by rich and powerful programming tools. While there is a great deal of hype surrounding the use of Linux in embedded systems, there is not a lot of practical information. Building Embedded Linux Systems is the first in-depth, hard-core guide to putting together an embedded system based on the Linux kernel. This indispensable book features arcane and previously undocumented procedures for: Building your own GNU development toolchain Using an efficient embedded development framework Selecting, configuring, building, and installing a target-specific kernel Creating a complete target root filesystem Setting up, manipulating, and using solid-state storage devices Installing and configuring a bootloader for the target Cross-compiling a slew of utilities and packages Debugging your embedded system using a plethora of tools and techniques Details are provided for various target architectures and hardware configurations, including a thorough review of Linux's support for embedded hardware. All explanations rely on the use of open source and free software packages. By presenting how to build the operating system components from pristine sources and how to find more documentation or help, this book greatly simplifies the task of keeping complete control over one's embedded operating system, whether it be for technical or sound financial reasons. Author Karim Yaghmour, a well-known designer and speaker who is responsible for the Linux Trace Toolkit, starts by discussing the strengths and weaknesses of Linux as an embedded operating system. Licensing issues are included, followed by a discussion of the basics of building embedded Linux systems. The configuration, setup, and use of over forty different open source and free software packages commonly used in embedded Linux systems are also covered. uClibc, BusyBox, U-Boot, OpenSSH, tftpd, tftp, strace, and gdb are among the packages discussed.

Linux Advanced Routing and Traffic Control HOWTO CRC Press

Enabling technologies - An overview of cluster computing / Thomas Sterling / - Node Hardware / Thomas Sterling / - Linux / Peter H. Beckman / - Network Hardware / Thomas Sterling / - Network Software / Thomas Sterling / - Setting Up clusters : installation and configuration - How fast is my beowulf? / David Bailey / - Parallel programming / - Parallel programming with MPI / William Gropp / - Advanced topics in MPI programming / William Gropp / - Parallel programming with PVM / Al Geist

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A Practical Real-World Approach Pearson Deutschland GmbH

Written by a leading developer and maintainer of the Linux kernel, *Linux Kernel in a Nutshell* is a comprehensive overview of kernel configuration and building, a critical task for Linux users and administrators. No distribution can provide a Linux kernel that meets all users' needs. Computers big and small have special requirements that require reconfiguring and rebuilding the kernel.

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Whether you are trying to get sound, wireless support, and power management working on a laptop or incorporating enterprise features such as logical volume management on a large server, you can benefit from the insights in this book. *Linux Kernel in a Nutshell* covers the entire range of kernel tasks, starting with downloading the source and making sure that the kernel is in sync with the versions of the tools you need. In addition to configuration and installation steps, the book offers reference material and discussions of related topics such as control of kernel options at runtime. A key benefit of the book is a chapter on determining exactly what drivers are needed for your hardware. Also included are recipes that list what you need to do to accomplish a wide range of popular tasks.

[Building a Cloud Computing Service](#) John Wiley & Sons

Whether you're just starting out with Linux or looking to hone your existing skills, this book will provide you with the knowledge you need.

Beowulf Cluster Computing with Linux Packt Publishing Ltd

This book constitutes the refereed proceedings of the 33rd International Conference, ISC High Performance 2018, held in Frankfurt, Germany, in June 2018. The 20 revised full papers presented in this book were carefully reviewed and selected from 81 submissions. The papers cover the following topics: Resource Management and Energy Efficiency; Performance Analysis and Tools; Exascale Networks; Parallel Algorithms.

[Linux-Firewalls mit iptables & Co](#) "O'Reilly Media, Inc."

Presents an overview of kernel configuration and building for version 2.6 of the Linux kernel.